

In the claims:

1. (Currently Amended) A method of manufacturing a thin layer electrochemical cell comprising the steps of:

providing a separator layer;

providing a positive electrode layer;

providing a negative electrode layer;

impregnating said separator layer; and

passing said positive electrode layer, said separator layer and said negative electrode layer through a lamination unit so as to laminate together
said positive and negative electrode layers onto said separator layer.

2. (Currently Amended) A method according to claim 1 further comprising the step of impregnating a non-conductive material to form a non-conductive region within at least one of said layers

3. (Original) A method according to claim 1, wherein the step of laminating further comprises impregnating a non-conductive material to form a non-conductive sealed region within at least one of said layers.

4. (Currently Amended) A method according to claim 2, wherein said non-conductive~~een~~ region is formed as a border defining an outer boundary of said cell.

5. (Currently Amended) A method according to claim 4, wherein said non-conductive~~een~~ region extends through at least two of said layers.

6. (Currently Amended) A method according to claim 5, wherein said non-conductive~~een~~ region extends through all three of said layers.

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7. (Original) A method according to claim 1, wherein the thin layer electrochemical cell is an open thin layer electrochemical cell.

8. (Currently Amended) A method according to claim 1, comprising the step of applying a partial layer of non-conductive~~on~~ material to the separator layer.

9. (Currently Amended) A method according to claim 8~~7~~, wherein said non-conductive material is an adhesive material.

10. (Original) A method according to claim 9, wherein said adhesive material is any one of a group comprising urethane acrylate, epoxy acrylate, other cross-linked acrylates, and cured acrylates.

10. (Cancelled)

11. (Original) A method according to claim 8, comprising the step of adding an impregnation agent to said partial layer.

12. (Original) A method according to claim 11, wherein said impregnation agent is selected from the group consisting of polyisobutylene, ethyl cellulose, a fluoro polymer, an acrylic resin, a vinyl resin, and polyurethane.

13. (Withdrawn) The system according to Claim 10, wherein the system further comprises a plurality of portable computer units for use by physicians and/or pharmacists; each of said portable computer units including an input device for inputting data regarding a prescribed medication dosage for a named patient, a storage device for storing the electronic signature of the user,

and a communication link for communicating to said central processor said inputted data and said electronic signature.

14. (Withdrawn) The system according to Claim 10, wherein the system further comprises an expansion cabinet containing another plurality of compartments for containing supplies of additional medications, said expansion unit being electrically coupled to said medicine cabinet so as to be controlled thereby.

15. (Withdrawn) A medication dispensing system, comprising:

a medicine cabinet having a plurality of compartments for containing supplies of different kinds of medications to be accessed by a healthcare attendant for preparing individual medication dosages for named patients;

at least one tray having a plurality of sections for receiving a plurality of receptacles each adapted to contain one or more medication dosages prescribed for a named patient;

and a central processor having a memory for storing the names of said patients and the prescribed medication dosages;

said medicine cabinet including a communication link with said central processor, and a memory for storing the names of patients and their prescribed medication dosages communicated thereto by said central processor;

said tray including a communication link with said cabinet processor, and having a display for displaying the patient names and their respective medication dosages communicated thereto by said cabinet processor.

16. (Withdrawn) The system according to Claim 15, wherein said cabinet processor also has a display screen for displaying said patient names and their respective prescribed medication dosages.
17. (Withdrawn) The system according to Claim 15, wherein one of said processors further stores in its memory running inventories of the medications in said medicine cabinet compartments, including all quantities introduced into the respective compartment less all dosages removed therefrom.
18. (Withdrawn) The system according to Claim 15, wherein said tray includes an input device for inputting data regarding vital signs of a respective patient, and said communication link of the tray with the cabinet processor communicates said vital signs data to said central processor via said cabinet processor and its communication link with the central processor.
19. (Withdrawn) The system according to Claim 15, wherein said medicine cabinet further includes a plurality of light indicators, one for each of said compartments controlled by said cabinet processor, to indicate the compartment containing the medication supply to be included in a prescribed medication dosage for a named patient.
20. (Withdrawn) The system according to Claim 15, wherein said tray further includes a reader device for reading an identification of a named patient to enable matching said read identification with an identification communicated by said medicine cabinet of a named patient to receive a prescribed medication dosage.

21. (Withdrawn) A medication dispensing system, comprising:

a medicine cabinet having a plurality of compartments for containing supplies of different kinds of medications to be accessed by a healthcare attendant for preparing individual medication dosages for named patients;

at least one tray having a plurality of sections for receiving a plurality of receptacles each adapted to contain one or more medication dosages prescribed for a named patient;

and a central processor having a memory for storing said patients names and prescribed medication dosages;

said medicine cabinet including a cabinet processor having a communication link with said central processor, and a plurality of indicators, one for each of said compartments, to indicate the compartment containing the medication supply to be included in a prescribed medication dosage for a named patient.

22. (Withdrawn) The system according to Claim 21, wherein said compartments in the medicine cabinet are in the form of drawers which are normally locked but which are selectively unlocked by said cabinet processor when containing a medication supply to be included in a prescribed medication dosage for a named patient.

23. (Withdrawn) The system according to Claim 21, wherein said medicine cabinet further includes a memory for storing the names of patients and their prescribed medication dosages, and a display screen for displaying said patient names and their respective medication dosages.

24. (Withdrawn) The system according to Claim 23, wherein one of said processors stores in its memory running inventories of the medications in said compartments at the medicine cabinet, including all quantities introduced into the respective compartment less all dosages removed therefrom.

25. (Withdrawn) The system according to Claim 23, wherein said tray includes a display screen for displaying the patient names and their respective dosages, and a communication link with said medicine cabinet through which said cabinet processor communicates to said tray the patient names and their respective prescribed medication dosages.

26. (Withdrawn) The system according to Claim 23, wherein said tray includes an input device for inputting data regarding vital signs of a respective patients, and said communication link of the tray with the cabinet processor communicates said vital signs data to said central processor via said cabinet processor and its communication link with the central processor.

27. (Withdrawn) A medication dispensing system, comprising:

a medicine cabinet having a plurality of compartments for containing supplies of different kinds of medications to be accessed by a healthcare attendant for preparing individual medication dosages for named patients;

at least one tray having a plurality of sections for receiving a plurality of receptacles each adapted to contain one or more medication dosages prescribed for a named patient;

and a central processor having a memory for storing said patients names and prescribed medication dosages;

said compartments in the medicine cabinet being in the form of

drawers which are normally locked but which are selectively unlocked by said cabinet processor when containing a medication supply to be included in a prescribed medication dosage for a named patient;

said medicine cabinet further including a plurality of light indicators, one for each of said compartments, controlled by said cabinet processor to indicate the compartment containing the medication supply to be included in a prescribed medication dosage for a named patient.

28. (Withdrawn) The system according to Claim 27, wherein said medicine cabinet further includes a memory for storing the names of patients and their prescribed medication dosages, and a display screen for displaying said patient names and their respective medication dosages.

29. (Withdrawn) The system according to Claim 27, wherein said cabinet processor further stores in its memory running inventories of the medications in said compartments, including all quantities introduced into the respective compartment less all dosages removed therefrom; said running inventories being communicated to said central processor via said communication link therewith.

30. (Withdrawn) The system according to Claim 27, wherein said tray includes a display screen for displaying the patient names and their respective dosages, and a communication link with said medicine cabinet through which said cabinet processor communicates to said tray the patient names and their respective prescribe medication dosages.

31. (Withdrawn) The system according to Claim 27, wherein said tray includes an input device for inputting data regarding vital signs of a

respective patients, and said communication link of the tray with the cabinet processor communicates said vital signs data to said central processor via said cabinet processor and its communication link with the central processor.

32. (Withdrawn) The system according to Claim 27, wherein said tray further includes a reader device for reading an identification of a named patient to enable matching said read identification with an identification communicated by said medicine cabinet of a named patient to receive a prescribed medication dosage.

33. (Withdrawn) The system according to Claim 27, wherein said tray further includes a light indicator for each of said sections selectively energizable to indicate the section to receive the receptacle of a prescribed medication dosage for a particular patient.

34. (Withdrawn) A tray for a medication dispensing system, said tray comprising:

a plurality of sections for receiving a plurality of receptacles each adapted to contain one or more medication dosages prescribed for a named patient;

and a display screen for displaying the patient names and their respective medication dosages.

35. (Withdrawn) The tray according to Claim 34, wherein said tray further includes a reader device for reading an identification of a named patient to enable matching the read identification with an identification of a named patient to receive a prescribed medication dosage communicated to the tray.

36. (Withdrawn) The tray according to Claim 35, wherein said reader device is a bar code reader to read the bar code on a wrist band carried by the respective patient.

37. (Withdrawn) The tray according to Claim 35, wherein said tray further includes a light indicator for each of said sections selectively energizable to indicate the section to receive the receptacle of a prescribed medication dosage for a named patient.

38. (Withdrawn) The system according to Claim 37, wherein said tray sections are circular wells in the tray, and said light indicators are of annular configuration circumscribing their respective wells.

39. (Withdrawn) The tray according to Claim 34, wherein said tray includes an input device for inputting data regarding vital signs of a respective patient.

40. (NEW) A method according to claim 9, wherein said non-conductive material is selected from the group consisting of a hot melt material, a hot melt pressure sensitive material and a UV curable pressure sensitive material.

41. (NEW) A method of manufacturing a thin layer electrochemical cell comprising the steps of:

providing a separator layer;

adding an impregnation agent to said separator layer, said impregnation agent being selected from the group consisting of polyisobutylene, ethyl cellulose, a fluoro polymer, an acrylic resin, a vinyl resin and polyurethane;

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providing a positive electrode layer;
providing a negative electrode layer; and
laminating together said positive and negative electrode layers onto said separator layer.

42. (NEW) A method of manufacturing a thin layer electrochemical cell comprising the steps of:

providing a separator layer;
applying a partial layer of non-conduction material to the separator layer;
adding an impregnation agent to said partial layer, said impregnation agent being selected from the group consisting of polyisobutylene, ethyl cellulose, a fluoro polymer, an acrylic resin, a vinyl resin and polyurethane;
providing a positive electrode layer;
providing a negative electrode layer; and
laminating together said positive and negative electrode layers onto said separator layer.